WHAT IS CLAIMED IS:

1. A transfer apparatus comprising:

a light source;

a transmission type image display device that has a structure where a liquid crystal layer is held by substrates from both sides; and

red, green, and blue color filters provided for said transmission type image display device,

wherein a photosensitive recording medium is arranged in series with said light source and said transmission type image display device along an advancing direction of light from said light source so that an image display surface of said transmission type image display device and a recording surface of said photosensitive recording medium oppose each other, and

a display image having passed through said transmission type image display device is transferred onto said recording surface of said photosensitive recording medium,

wherein accumulated maximum transmittance of said color filters in each of ranges, in which respective spectral transmittance curves of said color filters overlap each other, is set smaller than a predetermined value.

2. The transfer apparatus according to claim 1, wherein peak transmittance of each of said color filters is set lower than a predetermined value.

3. The transfer apparatus according to claim 1, wherein each of said color filters contains a material that lowers transmittance at wavelengths in a range, in which at least two of said respective spectral transmittance curves of said color filters overlap each other, to below a predetermined value.

4. The transfer apparatus according to claim 1, further comprising:

a substantially parallel rays generating element that is arranged between said light source and said transmission type image display device and is provided with a plurality of through-holes,

wherein light from said light source is made to enter said transmission type image display device as the substantially parallel rays by said substantially parallel rays generating element.

5. The transfer apparatus according to claim 4,

wherein said substantially parallel rays generating element is provided over an entire surface of an image display area of said transmission type image display device.

6. The transfer apparatus according to claim 4,

wherein said substantially parallel rays generating element is provided along one side of an image display area of said transmission type image display device, and said transfer apparatus further comprising:

a moving unit which moves said substantially parallel rays generating element along a side perpendicular to said one side of said image display area of said transmission type image display device; and

light shielding masks that are provided before and after a moving direction of said substantially parallel rays generating element and shield light other than light from said through-holes of said substantially parallel rays generating element.

7. A transfer apparatus comprising:

a light source; and

a transmission type image display device,

wherein a photosensitive recording medium is arranged in series with said light source and said transmission type

image display device along an advancing direction of light from said light source, and

a display image having passed through said transmission type image display device is transferred onto said photosensitive recording medium directly or through an image projecting unit,

wherein said light source is constructed so that a light emission peak exceeding a predetermined size does not exist in each range in which at least two of red, green, and blue spectral sensitivities of said photosensitive recording medium overlap each other.

8. The transfer apparatus according to claim 7,

wherein said light source is constructed so that only one of red light, green light, and blue light is emitted from said light source in each range in which at least two of said red, green, and blue spectral sensitivities of said photosensitive recording medium overlap each other.

9. The transfer apparatus according to claim 7,

wherein said light source is constructed so that light from said light source exists only in each range other than each range in which at least two of said red, green, and blue spectral sensitivities of said

photosensitive recording medium overlap each other.

10. A transfer apparatus comprising:

a light source; and

a transmission type image display device,

wherein a photosensitive recording medium is arranged in series with said light source and said transmission type image display device along an advancing direction of light from said light source, and

a display image of said transmission type image display device is transferred onto said photosensitive recording medium by exposing said photosensitive recording medium using light having passed through said transmission type image display device,

wherein said transfer apparatus further comprises:

a control unit for controlling a tone of gray to be recorded on said photosensitive recording medium by controlling at least one of a wavelength and a light quantity of light passing through said transmission type image display device.

11. The transfer apparatus according to claim 10,

wherein said control unit controls said at least one of said wavelength and said light quantity of said light

passing through said transmission type image display device by changing transmission characteristics of at least one of color filters of said transmission type image display device.

12. The transfer apparatus according to claim 10, wherein said control unit is an absorption filter that is arranged between said light source and said photosensitive recording medium, and controls said at least one of said wavelength and said light quantity of said light passing through said transmission type image display device by absorbing light from said light source in a predetermined wavelength band.

13. The transfer apparatus according to claim 12, wherein said absorption filter is a dichroic mirror.

14. The transfer apparatus according to claim 10, wherein said control unit controls said light quantity by controlling intensity of said light passing through said transmission type image display device or an exposure time during which said photosensitive recording medium is to be exposed.

15. The transfer apparatus according to claim 14,

wherein said control unit controls intensity of said light passing through said transmission type image display device by changing image data of an image to be displayed by said transmission type image display device.

16. The transfer apparatus according to claim 14,

wherein said light source is capable of controlling emission of red, green, and blue light independently of each other, and

said control unit controls an exposure time of each of said red, green and blue light by said light source, during which said photosensitive recording medium is to be exposed, by controlling an emission time of each of said red, green, and blue light by said light source.

17. The transfer apparatus according to claim 14,

wherein said light source irradiates white color,

red, green and blue color filters are arranged on an optical path of said light source, and

said control unit controls exposure time of each of red, green and blue color, during which said photosensitive recording medium is to be exposed, by controlling timings at which switching among said red, green, and blue color

filters is performed.